

PARTICULATE TRAP FOR DIESEL ENGINE**Publication number:** JP11324645 (A)**Publication date:** 1999-11-26**Inventor(s):** SHIMODA KOHEI; NAGAI YOICHI; IHARA HIROHIKO; HENDA YOSHIMITSU; ARAKI YASUSHI; WATANABE YOSHIMASA**Applicant(s):** SUMITOMO ELECTRIC INDUSTRIES; TOYOTA MOTOR CORP**Classification:**

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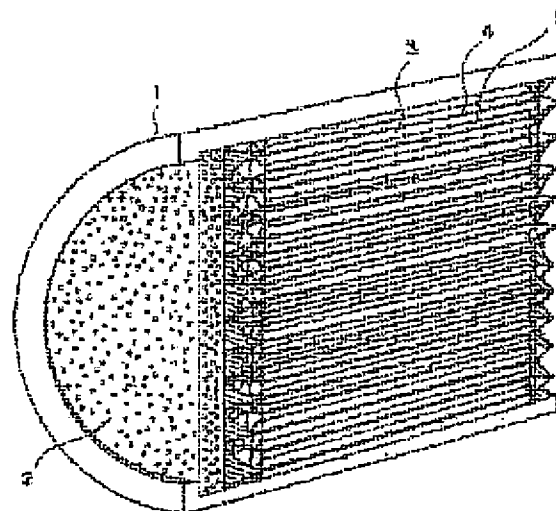
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Abstract of JP 11324645 (A)

PROBLEM TO BE SOLVED: To use a particulate trap for a long time and to practically utilize it by reducing the clogging in a particulate trap for a diesel engine. **SOLUTION:** A metal prefilter 2 of a bore $80\ \mu\text{m}$ - $300\ \mu\text{m}$ is provided in front of a main filter 3 and ashes in exhaust gas is selectively collected so as to prevent the clogging of the metal main filter of $10\ \mu\text{m}$ - $80\ \mu\text{m}$. A preferable combination is that a metal foam plate may be good for the prefilter and a material spirally winding a nonwoven fabric is good for the main filter.



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